

# FM-RACK



3U



## Flexible Investment

5 kWh/ 10 kWh modular design, scalable from 5 to 150 kWh



## Safety

BMS & Breaker two Level over current protection



## Perfect Compatibility

Compatible to most inverter brands on the market



## TUV Certification

Battery IEC / UL standard

MODEL	FM-Rack-48100-3U	FM-Rack-48200	FM-Rack-51100-3U	FM-Rack-51200-4U
<b>Electrical Characteristics</b>				
Rate voltage (Vdc)	48		51.2	
Cell combination	15S1P	15S2P	16S1P	16S2P
Rate capacity (AH)	100	200	100	200
Energy storage (KWH)	4.8	9.6	5.12	10.24
Cycle life	6.000 cycles @80% DOD, 0.5C			
<b>Charge/ Discharge Standard</b>				
Charge voltage (V)	52.5		56	
Max. charge current (A)	100 (Optional 150/200A for 200 AH pack)			
Max. discharge current (A)	100 (Optional 150/200A for 200 AH pack)			
Discharge cut-off voltage (VDC)	40.5		43.2	
Charge cut-ff voltage (VDC)	54.75		58.4	
<b>Enviornment</b>				
Charge temperature	0°C to 50°C @ 60 ± 25% Relative Humidity			
Discharge temperature	-20°C to 50°C @ 60 ± 25% Relative Humidity			
Storage temperature	-20°C to 50°C @ 60 ± 25% Relative Humidity			
<b>Mechanical</b>				
IP Class	IP 20			
Material system	LiFePO4			
Case material	Metal			
Case type	Rack Mount			
Pack dimension L*W*H (mm)	480*442*133 (3U)	680*442*178 (4U)	480*442*133 (3U)	680*442*178 (4U)
Package dimension L*W*H (mm)	580*530*210	820*625*310	580*530*210	820*625*310
Net weight (kg)	42	84	44	88
Gross weight (kg)	47	93	49	97
<b>Communication</b>				
Protocol (Optional)	CANBus / RS485 / RS232			
<b>Certificates</b>				
Pack	UN38.3, MSDS		UN38.3, MSDS, IEC62619, CE-EMC, UL1973	
Cell	UN38.3, MSDS, IEC62619, CE, UL1973, UL2054			